



Department of Energy

**Ohio Field Office
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MAR 14 2002

Mr. James A. Saric
United States Environmental Protection Agency
Region V, SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0350-02

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

RECORD

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/
FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/
CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF FEBRUARY 1, 2002
THROUGH FEBRUARY 28, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD
MARCH 1, 2002 THROUGH MARCH 31, 2002**

This letter transmits the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Monthly Report for the period of February 1, 2002 through February 28, 2002, including anticipated work for the period March 1, 2002 through March 31, 2002. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosures: As Stated

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT
FEBRUARY 1, 2002 THROUGH FEBRUARY 28, 2002, INCLUDING ANTICIPATED
WORK FOR THE PERIOD MARCH 1, 2002 THROUGH MARCH 31, 2002**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from February 1, 2002 through February 28, 2002 and anticipated work for the period March 1, 2002 through March 31, 2002. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

February 2002

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Loaded 10,548.6 tons of material from waste pits
 - Shipped 120 railcars (UT52 and UT53) of material for disposal at Envirocare

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Major Work To Be Initiated/Continued/Completed
 - Load 12,000 tons of material from waste pits
 - Ship 120 railcars (UT54 and UT55) of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND EXCAVATION PROJECT

(Additional OU2 soils-related activities reported under OU5/Soils Characterization and Excavation Project)

February 2002

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Completed Phase II Leachate Removal project
 - Completed removal of remaining stockpile materials southeast of C-4
 - Continued Access Control Facility Project

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- Completed Cell 1 Cap monitoring system installation
- Completed preliminary survey for Emergency Access Road
- Continued Cells 4 and 5 Horizontal Monitoring Wells construction
- Continued Emergency Access Road construction
- Began Access Control Relocation Operation Maintenance Transfer Area (OMTA) area
- Installed Leachate Collection System (LCS) Redundant
- Began installation of Soil/Water Status Nest PVC Housings
- Completed installation of new technology sensors and began testing
- Completed conduit installation and electrical for Cell 1 cap monitoring wells construction
- Continued Construction Quality Control (CQC) services for Borrow Sub Areas Pre-Conformance Testing
- Soil Characterization and Excavation Project (SCEP)
 - Issued revised Natural Resource Restoration Plan to Natural Resource Trustees (NRTs)
 - Released Public Use Master Plan for public review and conduction meeting on February 28, 2002
 - Continued Area 2, Phase II Title I Design
 - Continued Area 3B/4B/5 Title I Design
 - Continued developing Final Natural Resource Restoration Plan
 - Began Area 6 (Solid Waste Landfill and Fire Training Facility) Title I Design
 - Began excavation of above WAC soil at Incinerator Pad (10D)
 - Completed wood chipping and excavation of Arsenic Hot Spot Area
 - Continued sampling of the Pit 4 Cap material in Waste Pits Area
 - Continued Concrete Breaking/Crushing in Area 3A
 - Completed cutting, and most of the chipping, in the Northern Pines area
 - Continued scanning of Area 2, Phase I
 - Completed sampling of points AH, AI, and AJ in Area 2, Phase II on February 4, 2002
 - Completed Maintenance Building RCRA excavation
 - Continued certification sampling in Area 2, Phase I
 - Began second round of sampling in Area 9, Phase I

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF)

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- None
- Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue CQC Services for Borrow Sub Areas Pre-conformance Testing
 - Begin construction of Valve House 6 Road
 - Continue Access Control Facility project
 - Complete Cell 1 Cap
 - Complete conduit installation and electrical for Cell 1 Cap monitoring instrumentation
 - Complete Emergency Access Road construction and Construction Lay Down Area
 - Complete Cells 4 and 5 Horizontal Monitoring Wells construction
 - Complete Access Control Relocation OMTA Area
 - Begin site preparation work for Liner 4 and Liner 5
 - Begin construction of Construction Laydown Area
 - Begin construction of LCS, LDS, and LDSR Cell Extensions
 - Soil Characterization and Excavation Project (SCEP)
 - Continue Area 2 Phase II Title I Design
 - Begin Area 2, Phase II Title II Design
 - Complete Area 2, Phase II Sampling and Analysis at the Arsenic hot Spot
 - Complete Area 3B/4B/5 Title I Design
 - Continue Area 3B/4B/5 Title II Design
 - Continue Area 6 (Solid Waste landfill and Fire Training Facility) Title I Design
 - Complete wood cutting and chipping in Northern Pines and haul wood chips to Southern Waste Units
 - Complete Incinerator Pad (10D) above WAC excavation
 - Complete certification sampling of Area 2, Phase I
 - Complete Restoration Design for Southern Waste Units, Phase I and issue to NRTs
 - Complete excavation of Area 2, Phase I - Perimeter Area (including Basin 2 and East/West portion of Haul Road)
 - Complete excavation of Area 2, Phase II Arsenic Hot Spot Area
 - Complete Area 2 excavation and stock pile in Area 3A
 - Begin site preparation for excavation of Area 3A and Area 4A
 - Begin excavation of southeast corner of Plant 9 above WAC area

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- Continue breaking concrete in Area 3A
- Begin Plant 6 pump work
- Begin Area 7 precertification sampling in the footprint of the planned Treatment Facility and Warehouse
- Begin Area 4B Potentially Characteristic Areas west of the Pilot Plant sampling
- Submit Response to Comments on Areas 3B/4B/5 above WAC

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

February 2002

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Plant 6
 - Continued to size reduce debris and place in roll-off boxes for disposition
 - Multi-Complex
 - Continued to size reduce debris and place in roll-off boxes for disposition in Building 8H
 - Established building enclosures, wastewater tanks, asbestos glovebag removal, interior transite removal in Building 8A
 - Began gross washdown, glovebag removal, erect scaffolding, remove asbestos, purge equipment & systems, removal of equipment and piping, interior transite removal in Building 2A
 - Remove metal siding/roof and structural steel, shear, size and load in Building 8C
 - Install wastewater collection system and prepare for system purging in Building 8G
 - Facilities Shutdown
 - Continued utility disconnects in Building 53A
 - Worked on sump cake removal from Tank F3E-7
 - Began removal of mercury in Building 2B Control Room

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Major Work To Be Initiated/Continued/Completed

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- Plant 6
 - Continue to size reduce debris and place in roll-off boxes for disposition
- Multi-Complex
 - Continue to size reduce debris and place in roll-off boxes for disposition in Building 8H
 - Continue gross washdown, glovebag removal, erect scaffolding, remove asbestos, purge equipment and systems, removal of equipment and piping, interior transite removal in Building 2A
 - Continue removal of metal siding/roof and structural steel, shear, size and load in Building 8C
 - Continue to prepare for system purging in Building 8G
- Facilities Shutdown
 - Continue Building 53A utility disconnects
 - Begin miscellaneous NAR Tower cleanouts

OPERABLE UNIT 4 - SILOS PROJECT

February 2002

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Presented Silos Projects Status Briefing for the Agencies
 - Received comments from formal DOE and Critical Analysis Team (CAT) review of the Silo 3 Conceptual Design Package; continued development of the Remedial Design package
 - Continued Design Data Development testing and Preliminary Design Package preparation for the Silos 1 and 2 Project
 - Continued design activities to implement changes identified by Due Diligence review of the Accelerated Waste Retrieval (AWR) design
 - Continued AWR project construction activities; installed improved foundation for Radon Control System (RCS) Carbon Beds; continued erection of Transfer Tank Area (TTA) Tanks

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

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- Major Work To Be Initiated/Continued/Completed
 - Respond to comments from DOE and CAT review of the Silo 3 Conceptual Design package
 - Compile draft revised Silo 3 RD package for internal (Fluor/DOE) review
 - Prepare Silos 1 and 2 Preliminary Design package
 - Complete preparation and review of Design Change notices resulting from Due Diligence review of the RCS design
 - Continue AWR project construction activities; continue erection of TTA Tanks; install pipe rack foundations; install carbon beds; erect structural steel for the RCS facility

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

February 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for January to the Ohio EPA on February 19, 2002
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Submitted the December 2001 Operating Report for the Re-Injection Demonstration on February 26, 2002 to DOE for transmittal to the Agencies
 - Began work on geoprobing in the off-property portion of the South Plume
 - Began design of South Field Extraction System - Phase II
 - Began work on a PSP for installing additional injection wells along the southern property boundary to replace Injection Wells 8 and 9
 - Began work on a PSP to investigate uranium partitioning on the sediments in the Great Miami Aquifer

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge monitoring Report to the OEPA
 - Meet the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Continue construction of Waste Storage Area Extraction System - Phase I and South Field extraction System - Supplemental Well

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- Continue work on South Field Extraction System Phase II design
- Submit a PSP to DOE and the Agencies for the installation of injection wells along the southern property boundary
- Submit the PSP to investigate uranium partitioning on the sediments in the Great Miami Aquifer to DOE and the Agencies
- Begin work on a PSP to install additional monitoring wells in the South Field

WASTE MANAGEMENT

February 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Readied waste for AWWT treatment
 - Hazardous Waste Project
 - Shipped two Rumpke 30 cubic yard dumpsters for disposal of free-released chemicals
 - Received inventory from the Laboratory to prepare for the March Heritage shipment
 - Inorganic Treatment Project
 - Continued construction of Mixed Waste Processing Enclosure in Building 79
 - Incinerator Liquids (Liquid Mixed Waste Bulking Project)
 - Continued to wait for application approval by TSCA Incinerator/State of Tennessee for Batch 11
 - Organic Treatment Project
 - Completed RTR activities from Group A containers
 - Waste Minimization/Pollution Prevention
 - Continued to monitor new dumpsters and locations
 - Began evaluation of new paper recycling container to allow more efficient management and identification

March 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Complete activities for future staging/transfer wastewater treatment operations at Building 79
 - Hazardous Waste Project

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- Prepare and package inventory for Heritage shipment
- Inorganic Treatment Project
 - Complete construction of Mixed Waste Processing Enclosure
- Incinerator Liquids (Liquid Mixed Waste Bulking Project)
 - Await approval for Batch 11 from TSCA/State of Tennessee
- Organic Treatment Project
 - Complete campaign development for current uncharacterized inventory

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